

Title (en)  
Process for the preparation of difluoromethane

Title (de)  
Verfahren zur Herstellung von Difluormethan

Title (fr)  
Procédé de fabrication du difluorométhane

Publication  
**EP 0805136 B1 20010725 (FR)**

Application  
**EP 97400754 A 19970402**

Priority  
FR 9605369 A 19960429

Abstract (en)  
[origin: EP0805136A1] The continuous process for the preparation of difluoromethane (F32) from methylene chloride (F30) and hydrogen fluoride (HF) in the gaseous phase and in the presence of a fluorination catalyst is claimed. The reaction is effected in the presence of chlorine (Cl2), and the gaseous effluent from the reactor is distilled to separate (at the head) a flow comprising hydrogen chloride (HCl) and at least 90% of the F32, and from the base, a flow containing at least 90% of non-converted (F30, F31, and HF) reactants. F31 is chlorofluoromethane. The flow from the base is re-cycled to the reactor.

IPC 1-7  
**C07C 17/20**; **C07C 19/08**

IPC 8 full level  
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